

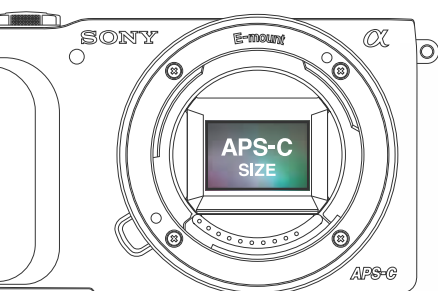
SONY
make.believe

Interchangeable-lens
digital camera

NEX-3N



Professional quality in your pocket



THE POWER OF IMAGING

α

Every detail of life, beautifully revealed

Meet your new partner for life. The world's smallest and lightest camera*, NEX-3N produces fantastic high-resolution photos, Full HD movies and charming self-portraits, all with excellent edge-to-edge sharpness. A superbly designed, feature-filled interchangeable-lens camera that includes a large APS-C sensor, built-in pop-up flash, 4 fps continuous shooting, Auto Object Framing and much more. All the camera you need to capture the finer aspects of life with the greatest of ease.



Black



White

NEX-3N



- Exmor® APS HD CMOS sensor with 16.1 effective megapixels (approx.)
- The world's smallest and lightest camera*
- 180° tiltable 3.0-type (7.5 cm) LCD screen
- Easy self-portraits and a new zoom lever
- Built-in flash
- New Auto Object Framing

* Among interchangeable-lens cameras with an APS-C sensor and built-in flash as of February 2013.



E PZ 16-50mm F3.5-5.6 OSS (SELP1650), 1/80 sec., F7.1, +0.7 EV, ISO 200, Auto white balance

**Sharp, clean results bursting with color.
Sony technology helps capture the magic of any moment.**



E PZ 16-50mm F3.5-5.6 OSS (SELFP1650), 1/160 sec., F9.0, +0.7 EV, ISO 200, Auto white balance

Two keys to outstanding photos and movies

APS-C
SIZE

You won't see them but they are there: Sony's 16.1 megapixel* Exmor® APS HD CMOS sensor and BIONZ® image processing engine. This winning combination — the same as found in higher-grade DSLR cameras — delivers richly detailed images with smooth tonal gradations and vivid colors thanks to the large APS-C sensor. The high resolution gives you a great deal of freedom when cropping so you can create the most pleasing composition without sacrificing image quality.

* Effective pixels (approx.)

Exmor™
APS HD CMOS

BIONZ





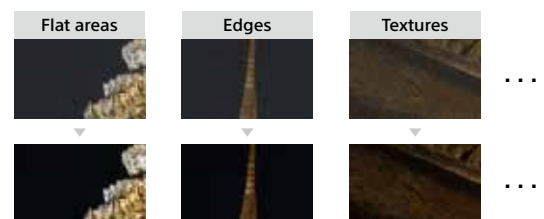
E PZ 16-50mm F3.5-5.6 OSS (SELFP1650), 1/15 sec., F8.0, -0.3 EV, ISO 3200, Auto white balance

Low-light capability for expanding photographic horizons

Thanks to a maximum sensitivity of ISO 16000, dimly lit scenes can be shot without flash, allowing you to capture the ambience of existing lighting. High sensitivity also lets you use fast shutter speeds to freeze action. What's more, the Exmor-BIONZ duo keeps noise to a minimum when shooting at high ISO settings while area-specific noise reduction — technology that controls the amount of noise reduction depending on which part of the image it is applied — maintains sharpness along edge lines and provides the optimal balance between acceptable levels of noise and resolution. For added convenience, NEX-3N can also automatically adjust sensitivity between ISO 200 and 3200.

Area-specific noise reduction

This intelligent technology — initially introduced on Sony α Series cameras starting with α 99 — adjusts the level of noise reduction for different areas of the image.



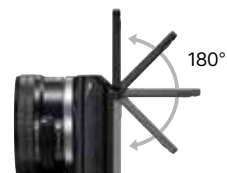
**A fun camera made specially for you and yours.
Easy operability and handling ensure carefree shooting.**





Beautifully composed self-portraits made easy

NEX-3N's tiltable LCD screen flips up 180° to make shooting self-portraits a snap. Rather than shooting blind and hoping for the best, you can now carefully compose the perfect shot. Include other people, experiment with interesting angles or shoot against famous landmarks. When you press the shutter, the camera counts down for three seconds so you can put on your best smile.



Added controls — including a new zoom lever — for effortless one-handed operation

A handy new zoom lever allows smooth zooming* even when shooting self-portraits, bringing compact camera convenience to the realm of interchangeable-lens models. In addition, the right side of the control wheel can be used to adjust ISO or programmed as a Fn (Function) button. Together, these controls further enhance NEX-3N's outstanding one-handed usability.

* Including optical zoom with Sony power zoom lenses.



Intelligently positioned zoom lever



Programmable control wheel

Newly designed anti-slip grip

No matter how you shoot, the new grip fits your hand perfectly. Whether taking self-portraits or casual snaps, the natural form ensures quick, comfortable handling and makes the camera so easy to carry around. In addition, the textured grip prevents slipping even when shooting one-handed or when using exceptionally large lenses.



Compact, easy-to-carry kit lens

For the ultimate in portability and compatibility with NEX-3N, try versatile SELP1650, the 16 to 50 mm zoom kit lens. Measuring just 29.9 mm (1.18") — half the size of SEL1855 when fully retracted — the lens is ideal when travelling or anytime a compact, lightweight camera-lens combo is desired.

SELP1650 is half the length of SEL1855.

Power zoom lens kit
(NEX-3N + SELP1650)

Zoom lens kit
(NEX-F3 + SEL1855)



The NEX-3N with kit lens is 30% smaller overall than that of NEX-F3 (the preceding model) and its kit lens.

Precious moments you'll cherish forever.

Produce stunning photos and movies that always impress.

Beautifully composed photos with new Auto Object Framing

Give your photos a professional look with Auto Object Framing. This savvy function analyzes portraits, close-ups or images of moving subjects then crops them after you take the shot to produce photos with maximum appeal. Featuring advancements like exceptional two-person portrait capability along with Face Detection and Tracking Focus, Auto Object Framing not only turns ordinary photos into stunning compositions but does so effortlessly, automatically recognizing the scene then cropping accordingly. And thanks to Sony's By Pixel Super Resolution Technology and high-resolution Exmor sensor, images can be radically cropped without marked loss of image quality.

Notes:

- Cropping results vary depending on shooting situations.
- The original image is saved along with the cropped version.



Auto Portrait Framing



Auto Macro Framing



Auto Tracking Framing



Built-in pop-up flash for photos in any light

When you need a little extra burst of light, the built-in pop-up flash (GN6; ISO 200-m) does the trick. Combined with NEX-3N's maximum sensitivity of ISO 16000, the flash ensures lovely photos in dimly lit interiors or at night. A variety of flash modes can be used to add appealing catch lights to portraits, brighten backlit subjects and convey the feeling of motion.

Note:

When using the included E PZ 16-50mm F3.5-5.6 OSS (SELP1650) lens, illumination from the built-in flash may be partially obstructed at wide-angle focal lengths.



E PZ 16-50mm F3.5-5.6 OSS (SELP1650), 1/40 sec., F4.5, ISO 1250, Auto white balance

Fabulous Full HD movies at the press of a button

Experience the magnificence of Full HD movies in AVCHD. Just press the MOVIE button and start shooting. Support for 60i* gives your movies a smooth, lifelike feel with natural movement while aspiring moviemakers can select 24p* to re-create the look of traditional cinema. NEX-3N's responsive autofocus keeps subjects

in sharp focus, allowing you to record even moving subjects and still be assured of excellent results. The built-in microphone delivers superior audio quality, and Digital Zoom can be used to extend the lens' maximum magnification while recording.

*1080 60i/1080 tv devices



AVCHD



Works with
iMovie



Creative versatility for that 'Wow' look. Take your photography to new heights of artistry.

Picture Effect — Your key to an exciting photographic adventure

Every image is a potential work of art with Picture Effect — in-camera control for turning mundane shots into little gems. NEX-3N includes 15 effects that can be applied to photos or movies, giving you the means to vastly expand your artistic repertoire. The ability to view effects in real-time on the LCD screen* before the shot lets you experiment with different looks until you are satisfied with the result.

* The following modes are not displayed in real-time and cannot be applied to movies: HDR Painting, Rich-tone Monochrome, Soft Focus and Miniature.



HDR Painting



Miniature



Soft Focus



Retro Photo



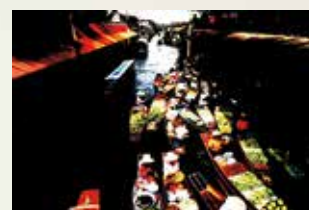
Partial Color (Red)



Soft High-key



Pop Color

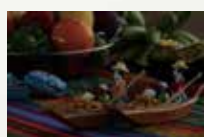


Posterization (Color)

Photo Creativity — Fine tuning the look of photos and movies



Background Defocus control



Brightness control



Color control

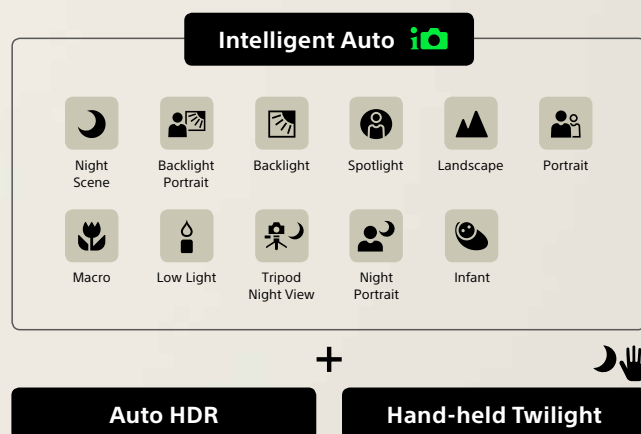
NEX-3N provides easy access to most Picture Effect settings as well as controls for Background Defocus, Brightness, Color and Vividness. Just activate Photo Creativity, choose the appropriate item then adjust while viewing in real-time on the LCD screen. The ability to combine settings offers nearly unlimited creative control, and lets you compensate for tricky lighting.





Superior Auto mode — Serious point-and-shoot simplicity 📷+

Use Superior Auto mode to shoot photos and movies with the ease of a compact digital camera. In this mode, the camera recognizes the current shooting environment then adjusts settings for optimal results. Superior Auto also includes Auto HDR and Hand-held Twilight modes, both of which employ image compositing technology to handle difficult lighting by recording multiple images at high speed then compositing them to produce the final photo.



Auto HDR mode*



Backlight Portrait mode*

* Does not support movies.

The camera that gives you more.

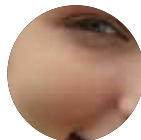
Advanced features, a new level of ease, and loads of fun.



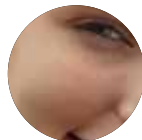
Added functionality for your shooting convenience

Soft Skin Effect

Soften skin and tame unsightly wrinkles and blemishes. The pros' choice when shooting portraits to make people look their best. Adjustable in three levels.



On



Off

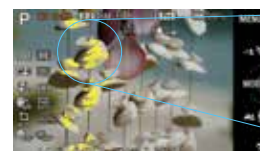
MF Assist

Improve manual focusing accuracy by magnifying the scene 4.8x or 9.6x on the LCD screen. A must have when shooting macro shots or with the aperture wide open.



Peaking function

Quickly confirm focus in the composition. A highlight — adjustable over three settings each for sensitivity level and color — appears over areas that are focused.



Sweep Panorama

Capture a dramatic landscape or cityscape. Just swing the camera when shooting then play back on the LCD screen or wide-screen TV.



USB charging

Connect NEX-3N to a PC or AC outlet via the bundled USB cable to charge the battery without removing it from the camera.



Face Detection / Smile Shutter



Set NEX-3N to recognize faces and smiles. Face Detection locates up to eight faces in a composition then adjusts exposure, white balance and other settings based on these faces. Smile Shutter — adjustable in three levels — automatically takes a shot when smiles in the scene are at their brightest.

Anti Motion Blur / Hand-held Twilight modes (Scene Selection)

Employing Sony image compositing technology, these two modes deliver superb photos with reduced noise and blur when shooting handheld in low-light environments. Anti Motion Blur mode is especially useful for decreasing blur caused by camera shake and subject movement while Hand-held Twilight mode balances exposure between the main subject and background for pleasing nighttime photos.

Auto HDR (High Dynamic Range) mode / D-range Optimizer (DRO)

Decrease contrast in scenes with extremely dark and light areas. Well suited for stationary subjects, Auto HDR mode combines three images — one each for highlights, mid-tones and shadows — to produce one photo that closely resembles the scene as you saw it. DRO takes only one shot, but can be used for lowering contrast in photos with moving subjects and when using continuous shooting.

Creative Style

Tailor the look of photos and movies before shooting. Choose from one of six settings — Standard, Vivid, Portrait, Landscape, Sunset or Black & White — depending on the scene or your creative intent.

Speed Priority Continuous mode

Freeze fast-moving subjects by shooting at up to 4 fps. This is the ideal solution for photographing sports, children at play or other action.

Clear Image Zoom



50 mm



100 mm equivalent



Clear Image Zoom



Conventional digital zoom

If you can't seem to get close enough to the subject, press the zoom lever to activate Clear Image Zoom. This extends the reach of a lens up to 2x without markedly degrading image quality. Clear Image Zoom employs Sony's By Pixel Super Resolution Technology to achieve amazingly sharp zoom shots without a telephoto lens. And

by combining it with NEX-3N's Digital Zoom and Smart Zoom*, you can increase magnification up to 8x over the lens' maximum focal length. What's more, Clear Image Zoom supports both photos and movies so you'll always have plenty of reach for distant subjects.

* Smart Zoom does not support movies.

More ways to enjoy photos and movies.

Software and online sharing for PCs, tablets, smartphones and PlayStation®3.



PlayMemories Home™

Free, easy-to-use image management software installs onto Windows PC's for Sony Digital Camera users. Download photos and movies onto your computer then view, organize, edit, retouch, print, burn to disk, share or upload to social networking websites*.

* Cannot be used to retouch movies.



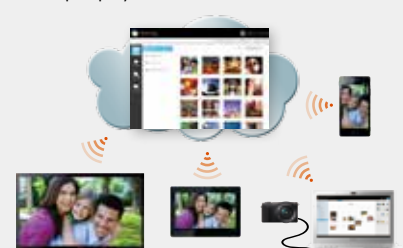
PlayMemories Studio™

Turn your PlayStation®3 into a creative playground. Use familiar controllers to edit, organize, view and share photos and movies. PlayMemories Studio™ also plays photo slideshows with sound.



PlayMemories Online™

Share photos and movies across all your devices. Sony's photo and movie sharing website lets you view content on computers, tablets, smartphones, BRAVIA TVs and S-Frames. Start with 5 GB of free storage space and upgrade as needed. For details, visit <http://playmemoriesonline.com>



TRILUMINOS™ Color.

A breathtaking way to relive your fondest memories.

NEX-3N supports Sony's "TRILUMINOS Color," allowing you to view photos and movies in rich, natural colors on any TV equipped with a "TRILUMINOS Display." The expanded color gamut lets you immerse yourself once again in those unforgettably colorful moments, from the complex shades in a shimmering blue sky to the delicate skin tones in a baby's face.



A complete system for any creative challenge. Choose from a wide range of Sony lenses and accessories.

Lenses

Outstanding performance in a compact zoom lens

For shooting versatility, Sony's E PZ 16-50mm F3.5-5.6 OSS is hard to beat. Covering commonly used focal lengths from wide angle to medium telephoto, this lightweight lens partners perfectly with NEX-3N. The lens retracts to 29.9 mm when not in use, and features seamless power zoom over the entire zoom range — from optical through digital — via a zoom lever.

Note: If using this lens with NEX-3, NEX-5 or NEX-C3, distortion, aberration and/or light falloff at the image periphery will occur at wide-angle focal lengths.



E PZ 16-50mm F3.5-5.6 OSS
(SEL1650)



E 20mm F2.8 (SEL20F28), 1/60 sec., F4.0, ISO 640, Auto white balance



E 18-200mm F3.5-6.3 OSS LE (SEL18200LE), 1/400 sec., F7.1, ISO 200, Auto white balance



E 35mm F1.8 OSS (SEL35F18), 1/250 sec., F4.5, ISO 200, Auto white balance



NEW **E 20mm F2.8**
(SEL20F28)



E 18-200mm F3.5-6.3 OSS LE
(SEL18200LE)



E 35mm F1.8 OSS
(SEL35F18)



E 10-18mm F4 OSS
(SEL1018)



E 55-210mm F4.5-6.3 OSS
(SEL55210)



E 30mm F3.5 Macro
(SEL30M35)



E 18-55mm F3.5-5.6 OSS
(SEL1855)



E 16mm F2.8
(SEL16F28)



E 50mm F1.8 OSS
(SEL50F18)



E 18-200mm F3.5-6.3 OSS
(SEL18200)



Fisheye Converter
(VCL-ECF1)
* Dedicated for SEL16F28



Sonnar T* E 24mm F1.8 ZA
(SEL24F18Z)



NEW **E PZ 18-200mm F3.5-6.3 OSS**
(SELP18200)



Ultra Wide Converter
(VCL-ECU1)
* Dedicated for SEL16F28



More lenses, more creative options

An extensive lineup of quality Sony lenses is at your command for any creative endeavor. Lightweight and small E-mount lenses provide the ultimate in shooting freedom. Moreover, premium Sony A-mount lenses* — from fisheye and wide-angle to super telephoto and macro — open the door to infinite photographic expression.

* Require optional Mount Adaptor LA-EA2 or LA-EA1.

Translucent
Mirror Technology™
Full-time Continuous AF

Mount Adaptor
LA-EA2



Mount Adaptor
LA-EA1



Accessories

Body Case
LCS-EB32

NEW

Black Brown White

- Can attach to a tripod

Soft Carrying Case
LCS-EJA

Black

- Compatible with all E-mount cameras with SELP1650 or SEL16F28 attached

Soft Carrying Case
LCS-SL10

Black

Sling Bag
LCS-SB1

NEW

Black

- Can store tablet
- Expandable
- Removable inner compartment

Shoulder Strap
STP-XSR1*

NEW

Black White Pink

- Reversible

* Max. load: 1200 g

Shoulder Strap
STP-XSG1*

Black Brown White Pink

* Max. load: 1200 g

Remote Control Tripod
VCT-VRP1

NEW

MULTI

- For both stills/movies
- Zoom and shutter lock with the wired remote commander
- Not compatible with SELP18200 attached

Shoulder Strap
STP-XH1

Black Brown White Berry Pink

- Genuine leather

Wrist Strap
STP-WS2*

Black Brown White Pink

* Max. load: 850 g

Remote Commander
RM-VRP1

NEW

MULTI REMOTE

- For both stills/movies
- Zoom and shutter lock with the wired remote commander

Rechargeable Battery Pack
NP-FW50

InfoLITHIUM™ W SERIES

Battery Charger
BC-VW1
(100V-240V)

InfoLITHIUM™ W SERIES

USB AC Adaptor
AC-UD10*
(100V-240V)

* Charge only (quick charge)

AC Adaptor
AC-PW20
(100V-240V)

LCD Protect Sheet
PCK-LS1EM

Φ 40.5 mm **NEW** **VF-405MP**

Φ 49 mm **VF-49MPAM**

Φ 62 mm **VF-62MPAM**

Φ 67 mm **VF-67MPAM**

MC Protector

Circular PL Filter

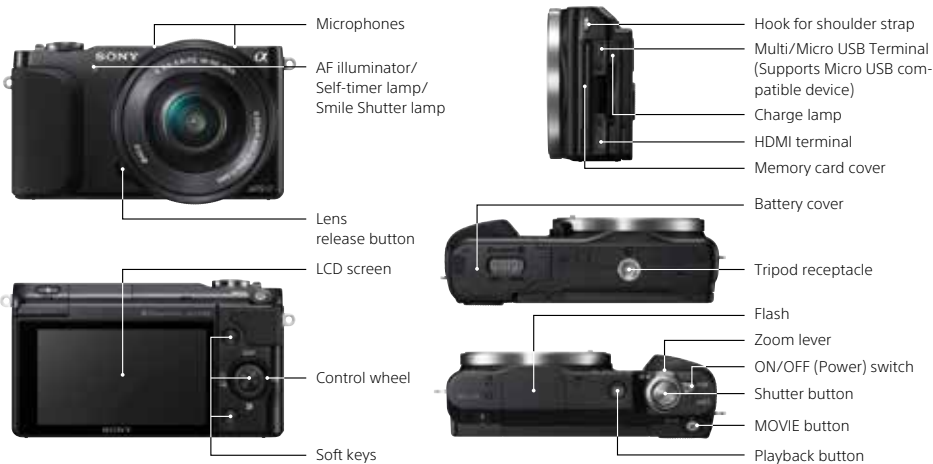
ND Filter

Front Lens Cap **NEW** **ALC-F405S**
ALC-F49S
ALC-F62S
ALC-F67S

Rear Lens Cap/Body Cap
ALC-R1EM/ALC-B1EM
E-mount

ZEISS Carl Zeiss T*

Controls



Number of recordable still images

		Memory card formatted with this camera				
	Capacity	4 GB	8 GB	16 GB	32 GB	64 GB
Image quality						
Standard		820	1,650	3,350	6,700	13,000
Fine		590	1,150	2,400	4,800	9,600
Extra-fine		-	-	-	-	-
RAW & JPEG		160	320	640	1,300	2,600
RAW		215	435	880	1,750	3,500

Measurement conditions: Image size L 16M, aspect ratio 3:2 (Actual number of images may be less than indicated depending on shooting conditions.)

Recording time

Image quality	Capacity					
	4 GB	8 GB	16 GB	32 GB	64 GB	
60i 24M (FX)	20 m	40 m	1 h 30 m	3 h	6 h	
60i 17M (FH)	30 m	1 h	2 h	4 h 5 m	8 h 15 m	
24p 24M (FX)	20 m	40 m	1 h 30 m	3 h	6 h	
24p 17M (FH)z	30 m	1 h	2 h	4 h 5 m	8 h 15 m	
1440 x 1080 12M	40 m	1 h 20 m	2 h 45 m	5 h 30 m	11 h 5 m	
VGA 3M	2 h 25 m	4 h 55 m	10 h	20 h 5 m	40 h 15 m	

Main specifications

NEX-3N					
General					
Camera type	Interchangeable-lens digital camera with built-in flash				
Lens compatibility	Sony E-mount lenses				
Image sensor					
Type	APS-C type (23.5 x 15.6 mm), <i>Exmor</i> APS HD CMOS sensor with primary color filters				
Number of pixels (approx.)	16.1 megapixels (effective), 16.5 megapixels (total)				
Image sensor aspect ratio	3:2				
Anti-dust system	-				
Recording system (still image)					
Recording format	JPEG (DCF Ver. 2.0, Exif Ver. 2.3, MPF Baseline compliant), RAW (Sony ARW 2.3 format)				
Image size (pixels)	3:2 aspect ratio	L: 4912 x 3264 (16M), M: 3568 x 2368 (8.4M), S: 2448 x 1624 (4M)			
	16:9 aspect ratio	L: 4912 x 2760 (14M), M: 3568 x 2000 (7.1M), S: 2448 x 1376 (3.4M)			
	Sweep Panorama	Wide: horizontal 12416 x 1856 (23M), vertical 5536 x 2160 (12M), Standard: horizontal 8192 x 1856 (15M), vertical 3872 x 2160 (8.4M)			
Image quality modes		RAW, RAW & JPEG, JPEG Fine, JPEG Standard			
Picture Effect		11 modes (15 effects): Posterization (Color, B/W), Pop Color, Retro Photo, Partial Color (R, G, B, Y), High Contrast Mono, Toy Camera, Soft High-key, Soft Focus, HDR Painting, Rich-tone Mono, Miniature			
Creative Style		Standard, Vivid, Portrait, Landscape, Sunset, B/W (Contrast -3 to +3 steps, Saturation -3 to +3 steps, Sharpness -3 to +3 steps)			
Dynamic range functions		Off, Dynamic Range Optimizer (Auto/Level), Auto High Dynamic Range: Off, Auto Exposure Difference, Exposure Difference Level (1.0-6.0 EV, 1.0 EV step)			
Color space		sRGB standard (with sYCC gamut) and Adobe RGB standard compatible with TRILUMINOS™ Color			
Recording system (movie)					
Recording format	AVCHD/MP4				
Video compression	AVCHD Ver. 2.0 compliant / MPEG-4 AVC (H.264)				
Audio recording format	Dolby Digital (AC-3) / MPEG-4 AAC-LC, 2ch				
Image size (pixels)	1080 60i compatible device	AVCHD: 1920 x 1080 (60i/30 fps image sensor output/24 Mbps/FX, 60i/30 fps image sensor output/17 Mbps/FH, 24p/24 Mbps/FX, 24p/17 Mbps/FH) MP4: 1440 x 1080 (30 fps/12 Mbps), 640 x 480 (30 fps/3 Mbps)			
	1080 50i compatible device	AVCHD: 1920 x 1080 (50i/25 fps image sensor output/24 Mbps/FX, 50i/25 fps image sensor output/17 Mbps/FH, 25p/24 Mbps/FX, 25p/17 Mbps/FH) MP4: 1440 x 1080 (25 fps/12 Mbps), 640 x 480 (25 fps/3 Mbps)			
Color space	xvYCC standard (x.v.Color™ when connected via HDMI cable) compatible with TRILUMINOS™ Color				
Media					
Media	<i>Memory Stick PRO Duo</i> , <i>Memory Stick PRO-HG Duo</i> , <i>Memory Stick XC-HG Duo</i> , SD memory card, SDHC memory card, SDXC memory card				
Slot	Multi slot for Memory Stick Duo/SD memory card				
Noise reduction					
	Long exposure NR: On/Off, available at shutter speeds longer than 1 sec., High ISO NR: Normal/Low				
White balance					
Modes	Auto WB, Daylight, Shade, Cloudy, Incandescent, Fluorescent, Flash, C. Temp 2500 to 9900K, C. Filter (G7 to M7 15-step, A7 to B7 15-step), Custom				
AWB micro adjustment	G7 to M7 15-step, A7 to B7 15-step				
Focus system					
Type	Contrast-detection AF				
Focus point	25 points				
Sensitivity range	EV 0 to EV 20 (at ISO 100 equivalent with F2.8 lens attached)				
Focus modes	Autofocus, DMF (Direct Manual Focus), Manual Focus				
AF modes	AF-S: Single-shot AF, AF-C: Continuous AF				
Focus area	Multi Point (25 points)/Center-weighted/Flexible Spot				
Other features	Tracking Focus, Focus lock				
AF illuminator	Built-in LED type				
AF illuminator range (approx.)	Approx. 0.3 m - approx. 3.0 m (with E PZ 16-50mm F3.5-5.6 OSS attached)				
Exposure control					
Metering type	1200-zone evaluative metering <i>Exmor</i> APS HD CMOS sensor				
Metering sensitivity	EV 0 to EV 20 (at ISO 100 equivalent with F2.8 lens attached)				
Metering modes	Multi-segment, Center-weighted, Spot				
Exposure modes	iAUTO, Superior Auto, Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M), Sweep Panorama, Scene Selection				
Scene Selection	Portrait, Landscape, Macro, Sports Action, Sunset, Night Portrait, Night view, Hand-held Twilight, Anti Motion Blur				
Exposure compensation	Still images: +/- 3.0 EV (0.3 EV steps), Movies: +/- 2.0 EV (0.3 EV steps)				
Bracketing	With 0.3, 0.7, 1, 2, 3 EV increments, 3 frames				
AE lock	Locked when shutter button is pressed halfway. Can be disabled from the Menu.				
ISO sensitivity (Recommended Exposure Index)	Still images: ISO 200 to 16000, AUTO (ISO 200 to 3200), Movies: ISO 200 to 3200 equivalent, AUTO (ISO 200 to 3200 equivalent)				
LCD screen					
Type	7.5 cm (3.0-type) wide type TFT				
Number of dots (total)	460,800 dots				
Brightness control	Manual (5 steps between -2 and +2), Sunny Weather mode				
Field coverage	100%				
Adjustable angle	Up by approx. 180 degrees				
Display contents	Graphic Display, Display All Info., Big Font Size Disp., No Disp. Info., Histogram				
Real-time image adjustment display		ON/Off			
Focus check		MF Assist (4.8x, 9.6x) Peaking (Level: High/Mid/Low/Off, Color: White/Red/Yellow)			
Face Detection					
Modes	On, Off, Face Registration, Face Selection; max. eight faces detected				
Other features		Auto Object Framing, Smile Shutter (selectable from 3 steps), Self-portrait Self-timer (3 sec. delay)			
Clear Image Zoom					
Still images (approx.)	Approx. 2x				
Digital Zoom					
Digital Zoom (Still images)	Approx. 4x				
Smart Zoom (Still images/images)	Approx. 1.4x / Approx. 2x				
Digital Zoom (Movie)	Approx. 4x				
Shutter					
Type	Electronically-controlled, vertical-traverse, focal-plane type				
Shutter speed	1/4000 to 30 sec., Bulb				
Flash sync. speed	1/160 sec.				
Electronic front curtain shutter	Yes				
SteadyShot INSIDE (image stabilization)					
Type	Not supported (image stabilization supported by lens)				
Flash					
Type	Built-in flash				
Guide No.	6 (in meters at ISO 200) 4 (in meters at ISO 100 equivalent)				
Flash coverage	16 mm (focal-length printed on the lens body)				
Control	Pre-flash TTL				
Flash compensation	+/- 2.0 EV (0.3 EV steps)				
Flash modes	Flash off, Autoflash, Fill-flash, Slow Sync., Rear Sync.				
Recycling time	Approx. 3 sec.				
External flash	-				
Drive					
Modes	Single-shot, Continuous, Speed Priority Continuous, Self-timer (10/2 sec. delay selectable), Self-timer (Cont.) (with 10 sec. delay; 3/5 exposures selectable), Bracketing				
Speed (approx., max.)*1	Continuous mode: max 2.5 fps, Speed Priority Continuous mode: max 4 fps				
No. of recordable frames (approx.)*1	Fine: 9 frames, Standard: 9 frames, RAW: 5 frames, RAW & JPG: 4 frames				
Playback					
	Single (with or without shooting information), RGB histogram and highlight/shadow warning, 6/12-frame index view, Enlarged display mode (L: 13x, M: 9.9x, S: 6.8x, Panorama (Standard): 19x, Panorama (Wide): 29x), Auto Review (10/5/2 sec., Off), Image orientation (On/Off), Slideshow, Panorama scrolling, Folder selection (Still), Forward/Rewind (Movie), Delete, Protect				
Modes					
Interface					
PC interface	Multi/Micro USB Terminal*2, Hi-speed USB (USB2.0): Mass-storage, MTP				
HD output	HDMI micro connector (Type-D), BRAVIA Sync (link menu), PhotoTV HD				
Smart Accessory Terminal 2	No				
Compatible OS*3 (USB connection)	Windows XP*4 SP3, Windows Vista SP2, Windows 7 SP1, Windows 8, Mac OS X (10.5-10.8)				
Audio					
Microphone	Built-in stereo microphone				
Speaker	Built-in, monaural, volume settings in 8 steps between 0 and 7				
Print					
Compatible standards	Exif Print, Print Image Matching III, DPOF setting				
Custom function					
Type	Custom key settings				
Power					
Battery	Rechargeable Battery Pack NP-FW50				
Still images	Approx. 480 images (CIPA standard)				
Movies	Actual *5*: Approx. 110 min. (CIPA standard), Continuous *5*: Approx. 170 min. (CIPA standard)				
Internal battery charge	Micro USB type B				
External power	AC Adaptor AC-PW20 (optional)				
Weight					
With battery and <i>Memory Stick PRO Duo</i>	Approx. 269 g (9.5 oz)				
Body only	Approx. 210 g (7.4 oz)				
Dimensions					
W x H x D (excluding protrusions)	Approx. 109.9 x 62 x 34.6 mm (4 3/8 x 2 1/2 x 1 3/8 in.)				
Operating temperature					
Range	32°-104°F/0-40°C				
Specifications and features are based on information available at the time of printing and are subject to change without notice.					
*1 May vary depending on shooting conditions and media.					
*2 Supports Micro USB compatible device.					
*3 Must be installed with the above OS at delivery. Proper operation cannot be guaranteed with an upgraded OS environment.					
*4 64-bit and Starter Editions are not supported. The Windows Image Mastering API (IMAPI) Ver. 2.0 or later is required to use the function for creating discs.					
*5 Continuous movie recording is possible for approximately 29 minutes (limited by product specifications).					
*6 Indicated recording time is defined by repeating the following cycle: Power on, start recording, zoom, stand-by and power off.					
*7 Indicated recording time is defined by repeating the following cycle: Pressing the MOVIE button. No other operations such as zoom are performed.					

System requirements of bundled software

	Image Data Converter Ver. 4		PlayMemories Home
OS*	Microsoft Windows®	Macintosh	Microsoft Windows®
	Windows® XP** SP3, Windows Vista® SP2, Windows® 7 SP1, Windows® 8	Mac OS X (10.5-10.8)	Windows® XP** SP3, Windows Vista® SP2, Windows® 7 SP1, Windows® 8
CPU	Pentium 4 or faster	Intel Core Solo/Core Duo/ Core 2 Duo or faster	Pentium III 800 MHz or faster; for playing/editing HD movies: Intel Core Duo 1.66 GHz or faster/Intel Core 2 Duo 1.66 GHz or faster, Intel Core 2 Duo 2.26 GHz or faster (AVCHD (FX/FH))
Memory	1 GB or more	1 GB or more	512 MB or more; for playing/editing HD movies: 1 GB or more

The computer environment must also satisfy the operating requirements of the OS.
* Must be installed with the above OS at delivery. Proper operation cannot be guaranteed with an upgraded OS environment. ** 64-bit and Starter Editions are not supported. The Windows Image Mastering API (IMAPI) Ver. 2.0 or later is required to use the function for creating discs.

Trademarks & Remarks

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• “InfoLITHIUM” is a lithium battery pack which can exchange data with compatible electronic equipment about its energy consumption.
• Sony recommends that you use the battery pack with electronic equipment bearing the “InfoLITHIUM” mark.
• Screen displays and effects used to illustrate some functions are simulated.
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Recycled plastic (recycled material rate: 15%) is used for the internal components of the product.